

## Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <a href="http://about.jstor.org/participate-jstor/individuals/early-journal-content">http://about.jstor.org/participate-jstor/individuals/early-journal-content</a>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

# ZOÖLOGICAL BULLETIN

#### EDITED BY

## C. O. WHITMAN AND W. M. WHEELER

THE UNIVERSITY OF CHICAGO

## VOLUME I

BOSTON, U.S.A.
GINN & COMPANY, PUBLISHERS
The Athenaum Press
1898

Copyright, 1898 By GINN & COMPANY

ALL RIGHTS RESERVED

## CONTENTS OF VOL. I.

## No. 1. — August, 1897.

I.	EDWARD PHELPS ALLIS, JR.	PAGES
	The Morphology of the Petrosal Bone of the Sphenoidal Region of the Skull of Amia	1–26
II.	CHARLES W. HARGITT.	
	Recent Experiments on Regeneration	27-34
III.	Charles Lawrence Bristol.  The Metamerism of Nephelis. A Contri-	
	bution to the Morphology of the Nervous System, together with a Description of Nephelis Lateralis	35-39
IV.	G. Baur.	
	Remarks on the Question of Intercalation of Vertebrae	41-55

## No. 2. — September, 1897.

I.	MARY M. STURGES.	PAGES
	Preliminary Notes on Distomum Patellare.	<b>5</b> 7–69
II.	C. M. CHILD.  A Preliminary Account of the Cleavage of Arenicola Cristata, with Remarks on the Mosaic Theory	71–86
III.	C. M. CHILD.  Centrosome and Sphere in Cells of the Ovarian Stroma of Mammals. A Preliminary  Communication	87-94
IV.	Samuel J. Holmes.  Preliminary Account of the Cell Lineage of Planorbis	95–101
V.	James G. Needham.  The Digestive Epithelium of Dragonfly  Nymphs	103–113
	No. 3. — October, 1897.	
I.	J. Playfair McMurrich.  Contributions on the Morphology of the Actinozoa	115–122
II.	EMILY RAY GREGORY.  Origin of the Pronephric Duct in Selachians	123–129
III.	O. P. Hay.  Dr. Gadow and Miss Abbott on the Vertebral  Column of Fishes	131–141
IV.	Maynard M. Metcalf.  The Neural Gland in Ascidia Atra	143–146
V.	LAWRENCE E. GRIFFIN.  Notes on the Anatomy of Nautilus Pompilius	147–162

## No. 4. — December, 1897.

Т	JAMES E. PEABODY.	PAGES
1.	The Ampullae of Lorenzini of the Selachii.	163–178
II.	Frank R. Lillie and F. P. Knowlton.  On the Effect of Temperature on the Development of Animals.	179–193
111.	A. L. Treadwell.  The Cell Lineage of Podarke Obscura. Pre- liminary Communication	195–203
IV.	Charles W. Hargitt.  Notes upon Cordylophora Lacustris	205-208
V.	Arnold Graf, Ph.D.  Hirudineen Studien. Preliminary Notice.	209-216
	No. 5. — February, 1898.	
I.	WILLIAM MORTON WHEELER.  A New Genus of Dolichopodidae from Florida	217–220
II.	J. B. Johnston.  The Olfactory Lobes, Fore-Brain, and Habenular Tracts of Acipenser	221–241
III.	Margaret Lewis.  A Method of Removing Cuticula from Marine Annelids	243
IV.	Wm. A. Redenbaugh.  A Simple Method of Diluting Alcohol to any Desired Per Cent	245
V.	Hermon C. Bumpus.  The Variations and Mutations of the Introduced Littorina	247-250

### No. 6. — May, 1898.

		PAGES
I.	W. S. Nickerson.  On the Occurrence of Distomum Ovocaudatum Vulpian in American Frogs	261–264
II.	Frank R. Lillie.  Centrosome and Sphere in the Egg of Unio	265-274
III.	Howard Ayers.  On the Membrana Basilaris, the Membrana Tectoria, and the Nerve Endings in the Human Ear	275-278
IV.	ROBERT H. WOLCOTT.  New American Species of the Genus Atax  (Fab.) Bruz	279–285
V.	T. H. Morgan.  Regeneration and Liability to Injury	287-300
VI.	Henry Leslie Osborn.  Observations on the Parasitism of Anodonta  Plana Lea by a Distomid Trematode, at  Chautauqua, New York	301-310
VII.	WILLIAM PATTEN.  The Structure and Origin of the Excretory  Organs of Limplus	211_212